

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/800,487B  
Source: IFW/b  
Date Processed by STIC: 6/19/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chknote.htm>

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Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFW16

## RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/800,487B

TIME: 15:07:08

Input Set : E:\04-218 (400.148) RevSeqList.txt

Output Set: N:\CRF4\06192006\J800487B.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.  
4 McSwiggen, James  
6 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Intercellular  
Adhesion  
7 Molecule (ICAM) Gene Expression Using Short Interfering Nucleic  
8 Acid (siNA)  
10 <130> FILE REFERENCE: 400/148 (MBHB04-218)  
12 <140> CURRENT APPLICATION NUMBER: US 10/800,487B  
13 <141> CURRENT FILING DATE: 2004-03-15  
15 <150> PRIOR APPLICATION NUMBER: US 10/757,803  
16 <151> PRIOR FILING DATE: 2004-01-15  
18 <150> PRIOR APPLICATION NUMBER: US 10/720,448  
19 <151> PRIOR FILING DATE: 2003-11-24  
21 <150> PRIOR APPLICATION NUMBER: US 10/693,059  
22 <151> PRIOR FILING DATE: 2003-10-23  
24 <150> PRIOR APPLICATION NUMBER: US 10/444,853  
25 <151> PRIOR FILING DATE: 2003-05-23  
27 <150> PRIOR APPLICATION NUMBER: US 10/427,160  
28 <151> PRIOR FILING DATE: 2003-04-30  
30 <150> PRIOR APPLICATION NUMBER: PCT/US03/05346  
31 <151> PRIOR FILING DATE: 2003-02-20  
33 <150> PRIOR APPLICATION NUMBER: PCT/US03/05028  
34 <151> PRIOR FILING DATE: 2003-02-20  
36 <150> PRIOR APPLICATION NUMBER: US 60/358,580  
37 <151> PRIOR FILING DATE: 2002-02-20  
39 <150> PRIOR APPLICATION NUMBER: US 60/363,124  
40 <151> PRIOR FILING DATE: 2002-03-11  
42 <150> PRIOR APPLICATION NUMBER: US 60/386,782  
43 <151> PRIOR FILING DATE: 2002-06-06  
45 <150> PRIOR APPLICATION NUMBER: US 60/406,784  
46 <151> PRIOR FILING DATE: 2002-08-29  
48 <150> PRIOR APPLICATION NUMBER: US 60/408,378  
49 <151> PRIOR FILING DATE: 2002-09-05  
51 <150> PRIOR APPLICATION NUMBER: US 60/409,293  
52 <151> PRIOR FILING DATE: 2002-09-09  
54 <150> PRIOR APPLICATION NUMBER: US 60/440,129  
55 <151> PRIOR FILING DATE: 2003-01-15  
57 <150> PRIOR APPLICATION NUMBER: PCT/US02/15876  
58 <151> PRIOR FILING DATE: 2002-05-17  
60 <160> NUMBER OF SEQ ID NOS: 439  
62 <170> SOFTWARE: PatentIn version 3.3  
64 <210> SEQ ID NO: 1  
65 <211> LENGTH: 19  
66 <212> TYPE: RNA

pg 6,8  
Does Not Comply  
Corrected Diskette Needed

## RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/800,487B

TIME: 15:07:08

Input Set : E:\04-218 (400.148) RevSeqList.txt

Output Set: N:\CRF4\06192006\J800487B.raw

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67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
72 <400> SEQUENCE: 1
73 gccccagucg acgcugagc 19
76 <210> SEQ ID NO: 2
77 <211> LENGTH: 19
78 <212> TYPE: RNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
84 <400> SEQUENCE: 2
85 cuccucugcu acucagagu 19
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 19
90 <212> TYPE: RNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
96 <400> SEQUENCE: 3
97 uugcaaccuc agccucgcu 19
100 <210> SEQ ID NO: 4
101 <211> LENGTH: 19
102 <212> TYPE: RNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
108 <400> SEQUENCE: 4
109 uauggcuccc agcagcccc 19
112 <210> SEQ ID NO: 5
113 <211> LENGTH: 19
114 <212> TYPE: RNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
120 <400> SEQUENCE: 5
121 ccggcccgcg cugcccgca 19
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 19
126 <212> TYPE: RNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
132 <400> SEQUENCE: 6
133 acuccugguc cugcucggg 19
136 <210> SEQ ID NO: 7
137 <211> LENGTH: 19
138 <212> TYPE: RNA
139 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/10/800,487B

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Input Set : E:\04-218 (400.148) RevSeqList.txt

Output Set: N:\CRF4\06192006\J800487B.raw

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141 <220> FEATURE:
142 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
144 <400> SEQUENCE: 7
145 ggcucuguuc ccaggaccu 19
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 19
150 <212> TYPE: RNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
156 <400> SEQUENCE: 8
157 uggcaaugcc cagacaucu 19
160 <210> SEQ ID NO: 9
161 <211> LENGTH: 19
162 <212> TYPE: RNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
168 <400> SEQUENCE: 9
169 uguguccccc ucaaaaguc 19
172 <210> SEQ ID NO: 10
173 <211> LENGTH: 19
174 <212> TYPE: RNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
180 <400> SEQUENCE: 10
181 cauccugccc cggggaggc 19
184 <210> SEQ ID NO: 11
185 <211> LENGTH: 19
186 <212> TYPE: RNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
192 <400> SEQUENCE: 11
193 cuccgugcug gugacaugc 19
196 <210> SEQ ID NO: 12
197 <211> LENGTH: 19
198 <212> TYPE: RNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
204 <400> SEQUENCE: 12
205 cagcaccucc ugugaccag 19
208 <210> SEQ ID NO: 13
209 <211> LENGTH: 19
210 <212> TYPE: RNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:

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## RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/800,487B

TIME: 15:07:08

Input Set : E:\04-218 (400.148) RevSeqList.txt

Output Set: N:\CRF4\06192006\J800487B.raw

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214 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
216 <400> SEQUENCE: 13
217 gcccaaguug uugggcaua                               19
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221 <211> LENGTH: 19
222 <212> TYPE: RNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
228 <400> SEQUENCE: 14
229 agagaccccg uugccuaaa                               19
232 <210> SEQ ID NO: 15
233 <211> LENGTH: 19
234 <212> TYPE: RNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
240 <400> SEQUENCE: 15
241 aaaggaguug cuccugccu                               19
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 19
246 <212> TYPE: RNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
252 <400> SEQUENCE: 16
253 uggaacaac cggaaggug                               19
256 <210> SEQ ID NO: 17
257 <211> LENGTH: 19
258 <212> TYPE: RNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
264 <400> SEQUENCE: 17
265 guaagaacug agcaaugug                               19
268 <210> SEQ ID NO: 18
269 <211> LENGTH: 19
270 <212> TYPE: RNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
276 <400> SEQUENCE: 18
277 gcaagaagau agccaacca                               19
280 <210> SEQ ID NO: 19
281 <211> LENGTH: 19
282 <212> TYPE: RNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

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## RAW SEQUENCE LISTING

DATE: 06/19/2006

PATENT APPLICATION: US/10/800,487B

TIME: 15:07:08

Input Set : E:\04-218 (400.148) RevSeqList.txt

Output Set: N:\CRF4\06192006\J800487B.raw

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288 <400> SEQUENCE: 19
289 aaugugcuau ucaaacugc 19
292 <210> SEQ ID NO: 20
293 <211> LENGTH: 19
294 <212> TYPE: RNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
300 <400> SEQUENCE: 20
301 ccugauggg cagucaaca 19
304 <210> SEQ ID NO: 21
305 <211> LENGTH: 19
306 <212> TYPE: RNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
312 <400> SEQUENCE: 21
313 agcuaaaacc uuccucacc 19
316 <210> SEQ ID NO: 22
317 <211> LENGTH: 19
318 <212> TYPE: RNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
324 <400> SEQUENCE: 22
325 cguguacugg acuccagaa 19
328 <210> SEQ ID NO: 23
329 <211> LENGTH: 19
330 <212> TYPE: RNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
336 <400> SEQUENCE: 23
337 acggguggaa cuggcaccc 19
340 <210> SEQ ID NO: 24
341 <211> LENGTH: 19
342 <212> TYPE: RNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
348 <400> SEQUENCE: 24
349 ccuccccucu uggcagcca 19
352 <210> SEQ ID NO: 25
353 <211> LENGTH: 19
354 <212> TYPE: RNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
360 <400> SEQUENCE: 25

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 06/19/2006  
PATENT APPLICATION: US/10/800,487B      TIME: 15:07:09

Input Set : E:\04-218 (400.148) RevSeqList.txt  
Output Set: N:\CRF4\06192006\J800487B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:421; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:422; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:423; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:424; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:425; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:426; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:427; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:428; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:429; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

## VERIFICATION SUMMARY

DATE: 06/19/2006

PATENT APPLICATION: US/10/800,487B

TIME: 15:07:09

Input Set : E:\04-218 (400.148) RevSeqList.txt

Output Set: N:\CRF4\06192006\J800487B.raw

L:8116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:421 after pos.:0  
L:8149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:422 after pos.:0  
L:8186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:423 after pos.:0  
L:8228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:424 after pos.:0  
L:8267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:425 after pos.:0  
L:8309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:426 after pos.:0  
L:8348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:427 after pos.:0  
L:8387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:428 after pos.:0  
L:8429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:429 after pos.:0



10/800,487B

8

<210> 421  
<211> 21  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic

<220>  
<221> misc\_feature  
<222> (1)..(1)  
<223> 5'-3 attached terminal deoxyabasic moiety

<220>  
<221> misc\_feature  
<222> (21)..(21)  
<223> 3'-3 attached terminal deoxyabasic moiety

<220>  
<221> misc\_feature  
<222> (20)..(21)  
<223> n stands for any nucleotide

<400> 421  
nnnnnnnnnn nnnnnnnnn n

*what about n's at location 1-19?*

*They need explanation.*

21

*This error appears in subsequent sequences.*